

CLAIMS

What is claimed is:

1. A lighting fixture, comprising:
 - a housing;
 - a lamp fixture; and
 - a positioning assembly supported by the housing and positioning the lamp fixture, wherein the positioning assembly is configured to allow linear and rotational positioning of the lamp fixture.
2. The lighting fixture of claim 1, wherein the housing comprises a cylindrical structure.
3. The lighting fixture of claim 2, wherein the positioning assembly is further configured to facilitate rotation of the lamp fixture about an axis through the radial center of the cylindrical structure.
4. The lighting fixture of claim 1, wherein the positioning assembly further comprises:
 - a substantially planar lid configured to engage the housing; and
 - a linkage assembly connected to the lid and supporting the lamp fixture.
5. The lighting fixture of claim 4, wherein the lid further comprises a window.
6. The lighting fixture of claim 5, wherein the window comprises a glass covering configured to be recessed relative to a top surface of the lid of the positioning assembly, wherein the lid comprises a weep hole, and wherein the lid is

configured to drain water off the surface of the glass covering through the weep hole.

7. The lighting fixture of claim 4, wherein the lid further comprises ventilation holes.
8. The lighting fixture of claim 4, wherein the linkage assembly further comprises an elongated member defining a slotted groove, wherein the slotted groove is configured to receive a thumb-bolt assembly for slideably adjusting and fixing the distance between the lamp fixture and the lid of the positioning assembly.
9. The lighting fixture of claim 8, wherein the slotted groove and thumb-bolt assembly are further configured for rotatably adjusting and fixing the pitch of the lamp fixture relative to the lid of the positioning assembly.
10. The lighting fixture of claim 1, wherein the housing further comprises a collar configured to be fixably attached to a cylinder.
11. The lighting fixture of claim 10, wherein the collar is configured to attach to the housing on both the outer and inner surfaces of a first end of the cylinder.
12. The lighting fixture of claim 1, wherein the housing has an open end.
13. The lighting fixture of claim 1, wherein the positioning assembly is removable from the housing.
14. The lighting fixture of claim 1, wherein the rotational positioning of the lamp fixture comprises both a pitch rotation direction and a yaw rotation direction.

15. The lighting fixture of claim 1, wherein the lamp fixture further comprises:

- a lamp fixture body;
- a lamp; and
- a reflector, wherein the reflector is configured to reflect light from the lamp and wherein the lamp fixture body is configured with a support shelf for supporting the reflector.

16. The lighting fixture of claim 15, wherein the lamp fixture body is further configured to support a filter lens.

17. The lighting fixture of claim 15, wherein the lamp fixture body further comprises a lamp fixture cap and a lamp fixture base, wherein the lamp fixture cap and lamp fixture base are configured to slideably connect to each other with at least one O-ring between the lamp fixture cap and lamp fixture base.

18. A lighting fixture comprising:

- a lamp fixture; and
- a positioning assembly, wherein the positioning assembly is configured to allow translational and rotational positioning of the lamp fixture, and wherein the positioning assembly is configured to be received by a housing.

19. The lighting fixture of claim 18, wherein the housing comprises a cylindrical structure.

20. The lighting fixture of claim 18, wherein the positioning assembly is further configured to facilitate rotation of the lamp fixture about an axis through the radial center of the cylindrical structure.

21. The lighting fixture of claim 18, wherein the positioning assembly further comprises:

- a substantially planar lid; and
- a linkage assembly connected to the lid and supporting the lamp fixture.

22. The lighting fixture of claim 21, wherein the lid further comprises a window.

23. The lighting fixture of claim 22, wherein the window comprises a glass covering configured to be recessed relative to a top surface of the lid of the positioning assembly, wherein the lid comprises a weep hole, and wherein the lid is configured to drain water off the surface of the glass covering through the weep hole.

24. The lighting fixture of claim 22, wherein the lid further comprises ventilation holes.

25. The lighting fixture of claim 21, wherein the linkage assembly further comprises an elongated member defining a slotted groove, wherein the slotted groove is configured to receive a thumb-bolt assembly for slideably adjusting and fixing the distance between the lamp fixture and the lid of the positioning assembly.

26. The lighting fixture of claim 25, wherein the slotted groove and thumb-bolt assembly are further configured for rotatably adjusting and fixing the pitch of the lamp fixture relative to the lid of the positioning assembly.

27. The lighting fixture of claim 18, wherein the housing further comprises a collar configured to be fixably attached to a cylinder.

28. The lighting fixture of claim 27, wherein the collar is configured to attach to the housing on both the outer and inner surfaces of a first end of the cylinder.

29. The lighting fixture of claim 18, wherein the housing has an open end.

30. The lighting fixture of claim 18, wherein the positioning assembly is removable from the housing.

31. The lighting fixture of claim 18, wherein the rotational positioning of the lamp fixture comprises both a pitch rotation direction and a yaw rotation direction.

32. The lighting fixture of claim 18, wherein the lamp fixture further comprises:
a lamp fixture body;
a lamp; and
a reflector, wherein the reflector is configured to reflect light from the lamp and wherein the lamp fixture body is configured with a support shelf for supporting the reflector.

33. The lighting fixture of claim 32, wherein the lamp fixture body is further configured to support a filter lens.

34. The lighting fixture of claim 32, wherein the lamp fixture body further comprises a lamp fixture cap and a lamp fixture base, wherein the lamp fixture cap and lamp fixture base are configured to slideably connect to each other with at least one O-ring between the lamp fixture cap and lamp fixture base.

35. The lighting fixture of claim 28, wherein the collar is a pour collar.

36. The lighting fixture of claim 26, wherein the lamp fixture further comprises:

- a lamp fixture body, wherein the lamp fixture body further comprises at least one positioning assembly connection point configured to receive the thumb bolt;
- a lamp; and
- a reflector, wherein the reflector is configured to reflect light from the lamp and wherein the lamp fixture body is configured with a support shelf for supporting the reflector.

37. A method for using a lighting fixture comprising the steps of:

- positioning a housing;
- adjusting the elevation of a lamp fixture relative to a top surface of a positioning assembly;
- adjusting the pitch of the lamp fixture relative to the top surface of the positioning assembly;
- placing the positioning assembly onto the housing; and
- adjusting the yaw of the lamp fixture relative to a vertical line perpendicular to the top surface of the positioning assembly.